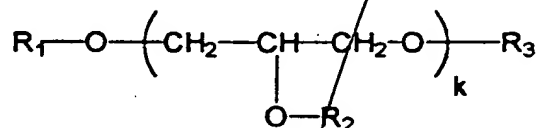


Patent Claims:

1. Sun protection active ingredient combinations comprising

- 5 (a) one or more UV filter substances which bear one or more sulphonic acid groups or sulphonate groups on their molecular backbone and
- (b) one or more surface-active substances, selected from the group of substances of the general structural formula

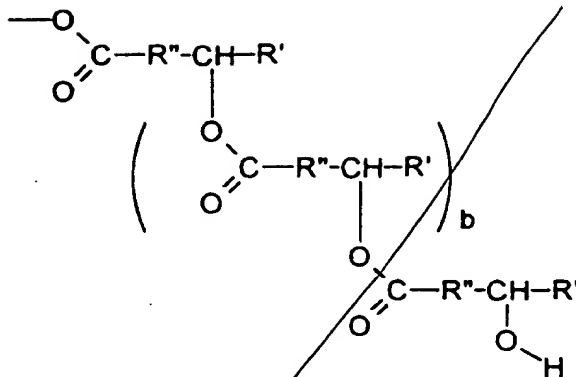


10 where

- k is from 1 to 8,
- R_1 , R_2 and R_3 , independently of one another, are selected from the group consisting of:
 - H, although in this case at least one of the radicals R_1 , R_2 and R_3 must not be H,
 - branched or unbranched, saturated or unsaturated alkyl radicals,
 - branched or unbranched, saturated or unsaturated acyl radicals,

15 20 the acids on which these acyl radicals are based being selected from the group of

- branched or unbranched, saturated or unsaturated alkanecarboxylic acids having from 8 to 24 carbon atoms, in which up to 3 aliphatic hydrogen atoms can be substituted by hydroxyl groups, and/or
- polyester radicals of the general structure



where R' is selected from the group of branched and unbranched alkyl groups having from 1 to 20 carbon atoms, and R'' is selected from the group of branched and unbranched alkylene groups having from 1 to 20 carbon atoms, and b is from 0 to 200.

2. Sun protection active ingredient combinations according to Claim 1 which also comprise one or more cosmetically or pharmaceutically acceptable inorganic pigments, which have preferably been superficially hydrophobed.

3. Use of

(a) one or more cosmetically or pharmaceutically acceptable inorganic pigments which have preferably been superficially hydrophobed

for achieving or increasing the water resistance of cosmetic or dermatological sunscreen preparations which are present in the form of O/W emulsions or W/O emulsions,

(b) where the superficially hydrophobed inorganic pigments are incorporated into the oil phase of the O/W emulsions or W/O emulsions, and

(c) where, if desired, hydrophilic inorganic pigments are incorporated into the water phase of the O/W emulsions or W/O emulsions, and

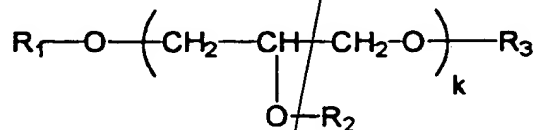
which comprise

(d) one or more UV filter substances which bear one or

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more sulphonic acid groups) or sulphonate groups on their molecular backbone, and

- (e) one or more surface-active substances, selected from the group of substances of the general structural formula

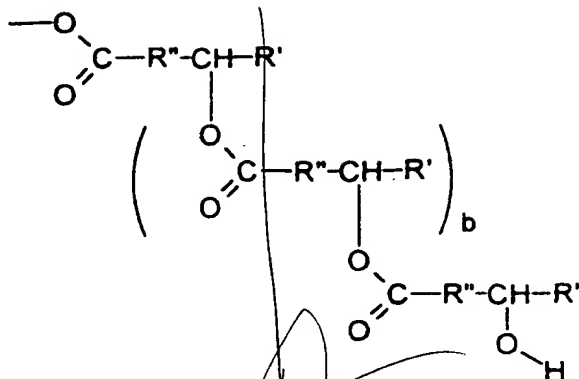


where

- k is from 1 to 8,
- R_1 , R_2 and R_3 , independently of one another, are selected from the group consisting of:
 - H, although in this case at least one of the radicals R_1 , R_2 and R_3 must not be H,
 - branched or unbranched, saturated or unsaturated alkyl radicals,
 - branched or unbranched, saturated or unsaturated acyl radicals,

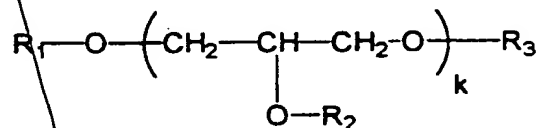
the acids on which these acyl radicals are based being selected from the group of

- branched or unbranched, saturated or unsaturated alkanecarboxylic acids having from 8 to 24 carbon atoms, in which up to 3 aliphatic hydrogen atoms can be substituted by hydroxyl groups, and/or
- polyester radicals of the general structure



where R' is selected from the group of branched and unbranched alkyl groups having from 1 to 20 carbon atoms, and R'' is selected from the group of branched and unbranched alkylene groups having from 1 to 20 carbon atoms, and b is from 0 to 200.

4. Use of
- (a) one or more surface-active substances, selected from the group of substances of the general structural formula



where

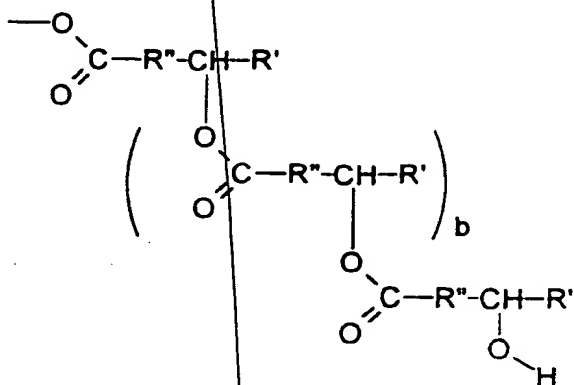
- k is from 1 to 8,
- R₁, R₂ and R₃, independently of one another, are selected from the group consisting of:
 - H, although in this case at least one of the radicals R₁, R₂ and R₃ must not be H,
 - branched or unbranched, saturated or unsaturated alkyl radicals,
 - branched or unbranched, saturated or unsaturated acyl radicals,

the acids on which these acyl radicals are based being selected from the group of

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- branched or unbranched, saturated or unsaturated alkanecarboxylic acids having from 8 to 24 carbon atoms, in which up to 3 aliphatic hydrogen atoms can be substituted by hydroxyl groups, and/or
- polyester radicals of the general structure



where R' is selected from the group of branched and unbranched alkyl groups having from 1 to 20 carbon atoms, and R'' is selected from the group of branched and unbranched alkylene groups having from 1 to 20 carbon atoms, and b is from 0 to 200,

for achieving or increasing the water resistance of cosmetic or dermatological sunscreen preparations, which are present in the form of O/W emulsions or W/O emulsions, which comprise

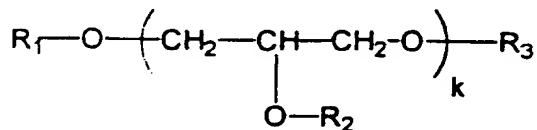
(b) one or more UV filter substances which bear one or more sulphonic acid groups or sulphonate groups on their molecular backbone, and

which optionally further comprise

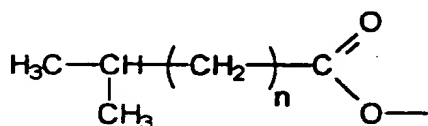
(c) one or more cosmetically or pharmaceutically acceptable inorganic pigments which are superficially hydrophobed, and which are incorporated into the oil phase of the O/W emulsions or W/O emulsions, and

(d) where any other hydrophilic inorganic pigments present are incorporated into the water phase of the O/W emulsions or W/O emulsions.

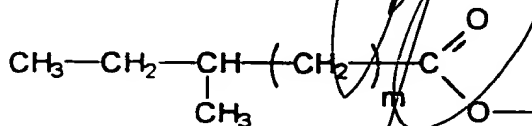
5. Preparations according to Claim 1 or 2 or uses according to Claim 3 or 4, characterized in that in the substances of the general structural formula



5 R_1 , R_2 and R_3 are selected from H, methyl, ethyl, propyl, isopropyl, myristoyl, palmitoyl, stearoyl and eicosoyl groups, or from the group which is distinguished by the chemical structures

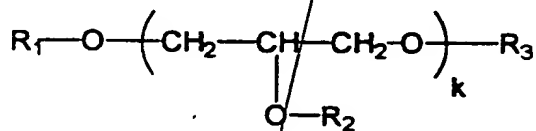


where n is from 10 to 20, the isostearyl radical being preferred, and



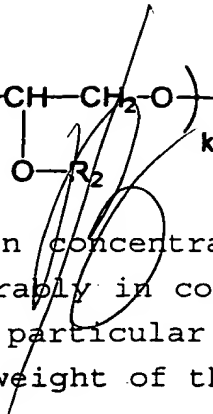
10 where m is from 9 to 19.

6. Preparations according to Claim 1 or 2 or uses according to Claim 3 or 4, characterized in that the substances of the general structural formula



15 are selected from the group consisting of polyglyceryl-4 isostearate, polyglyceryl-3 diisostearate, polyglyceryl-2 sesquiisostearate and polyglyceryl-2 polyhydroxystearate.

7. Preparations according to Claim 1 or 2 or uses according to Claim 3 or 4, characterized in that the substances of the general structural formula



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